

ATTACHMENT 3

VERIZON RESPONSE TO PARAGRAPH 58

COLLOCATION
VERIZON NEW ENGLAND: MA, ME, NH, RI & VT

FCC - 11

22-Aug-01

DC POWER

PARAGRAPH 58: CUMULATIVE ANALYSIS
MELDED FOR LESS THAN 60 AMPS AND GREATER THAN 60 AMPS

	<u>A</u>	<u>B</u>	<u>C</u>
	<u>ITEM</u>	<u>SOURCE</u>	<u>BA - NE</u>
1	MONTHLY RATE LESS THAN OR EQUAL TO 60 AMPS	COST STUDY	\$23.00
2	WEIGHTING FACTOR		0.75
3	WEIGHTED MONTHLY RATE LESS THAN OR EQUAL TO 60 AMPS	LINE 1 X LINE 2	\$17.25
4	MONTHLY RATE GREATER THAN OR EQUAL TO 60 AMPS	COST STUDY	\$23.03
5	WEIGHTING FACTOR		0.25
6	WEIGHTED MONTHLY RATE GREATER THAN OR EQUAL TO 60 AMPS	LINE 4 X LINE 5	\$5.76
7	TOTAL SUMMED MONTHLY RATE PER AMP BASED ON THE PARA 58 CUMULATIVE ANALYSIS	LINE 3 + LINE 6	\$23.01

PHYSICAL COLLOCATION
Bell Atlantic - New England
FCC - 11

DC POWER - COST SUMMARY

<u>LINE NO.</u>	<u>A</u> <u>ITEM</u>	<u>B</u> <u>SOURCE</u>	<u>C</u> <u>MONTHLY</u> <u>RECURRING</u>
	<u>DC POWER PER AMP</u>		
1	LESS THAN OR EQUAL TO 60 AMPS	BA-NE, WP 1.0, PG 1, LN 11F Minus \$.05 to account for minor land and building doublecount	\$23.00
2	GREATER THAN 60 AMPS	BA-NE, WP 1.0, PG 2, LN 11F Minus \$.05 to account for minor land and building doublecount	\$23.03

BA-NE
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PHYSICAL COLLOCATION
BELL ATLANTIC - NEW ENGLAND
FCC - 11

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

		- WEIGHTED -					
A	B	C	D	E	F	G	H
ITEM	SOURCE	BA-MA	BA-ME	BA-NH	BA-RI	BA-VT	BA-NE
1 TOTAL WEIGHTED UNIT INVESTMENT	COST STUDY	\$512.40	\$89.38	\$92.38	\$79.49	\$43.31	\$816.97
2 DEPRECIATION	COST STUDY	\$19.46	\$3.37	\$3.51	\$3.01	\$1.62	\$30.97
3 COST OF CAPITAL	COST STUDY	\$32.50	\$5.58	\$5.68	\$5.04	\$2.72	\$51.52
4 INCOME TAX	COST STUDY	\$13.15	\$2.26	\$2.29	\$2.04	\$1.10	\$20.83
5 OTHER TAXES	COST STUDY	\$1.61	\$1.42	\$0.13	\$0.86	\$0.47	\$4.49
6 MAINTENANCE	COST STUDY	\$26.85	\$3.46	\$3.84	\$2.97	\$2.14	\$39.26
7 ADMINISTRATION	COST STUDY	\$21.77	\$3.03	\$3.23	\$2.90	\$1.63	\$32.57
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$115.34	\$19.12	\$18.67	\$16.82	\$9.69	\$179.65
9 MONTHLY COST	LINE 8 / 12	\$9.61	\$1.59	\$1.56	\$1.40	\$0.81	\$14.97
10 OVERHEAD LOADING FACTOR	WP 6.0, PG 1, LINE 25	1.5400	1.5400	1.5400	1.5400	1.5400	1.5400
11 MONTHLY RATE	LINE 9 x LINE 10	\$14.80	\$2.45	\$2.40	\$2.16	\$1.24	\$23.05
12 DIRECT COST TO RATE	LINE 9 / LINE 11	0.65	0.65	0.65	0.65	0.65	0.65

BA-NE
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PHYSICAL COLLOCATION
BELL ATLANTIC - NEW ENGLAND
FCC - 11

DC POWER - GREATER THAN 60 AMPS

- WEIGHTED -							
A	B	C	D	E	F	G	H
ITEM	SOURCE	BA-MA	BA-ME	BA-NH	BA-RI	BA-VT	BA-NE
1 TOTAL WEIGHTED UNIT INVESTMENT	COST STUDY	\$512.56	\$89.86	\$92.57	\$79.54	\$43.48	\$818.01
2 DEPRECIATION	COST STUDY	\$19.47	\$3.39	\$3.51	\$3.01	\$1.63	\$31.01
3 COST OF CAPITAL	COST STUDY	\$32.51	\$5.61	\$5.69	\$5.04	\$2.73	\$51.58
4 INCOME TAX	COST STUDY	\$13.15	\$2.27	\$2.29	\$2.04	\$1.10	\$20.86
5 OTHER TAXES	COST STUDY	\$1.61	\$1.43	\$0.13	\$0.86	\$0.47	\$4.50
6 MAINTENANCE	COST STUDY	\$26.86	\$3.48	\$3.85	\$2.97	\$2.15	\$39.31
7 ADMINISTRATION	COST STUDY	\$21.78	\$3.05	\$3.24	\$2.90	\$1.64	\$32.61
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$115.38	\$19.22	\$18.71	\$16.83	\$9.73	\$179.87
9 MONTHLY COST	LINE 8 / 12	\$9.61	\$1.60	\$1.56	\$1.40	\$0.81	\$14.99
10 OVERHEAD LOADING FACTOR	WP 6.0, PG 1, LINE 25	1.5400	1.5400	1.5400	1.5400	1.5400	1.5400
11 MONTHLY RATE	LINE 9 x LINE 10	\$14.81	\$2.47	\$2.40	\$2.16	\$1.25	\$23.08
12 DIRECT COST TO RATE	LINE 9 / LINE 11	0.65	0.65	0.65	0.65	0.65	0.65

PHYSICAL COLLOCATION
Bell Atlantic - New England
FCC - 11

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

	A	B	C	D	E	F	G	H	I
LINE NO.	ITEM	SOURCE	DEPRECIATION	COST OF CAPITAL	INCOME TAX	OTHER TAXES	MAINT.	ADMIN.	TOTAL
1	MASSACHUSETTS	WP 1.0, PG 1, LINES 2 THRU 7	\$30.51	\$50.95	\$20.60	\$2.52	\$42.08	\$34.13	\$180.79
2	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26C	0.638	0.638	0.638	0.638	0.638	0.638	0.638
3	BA-MA WEIGHTED COST	LINE 1 X LINE 2	\$19.46	\$32.50	\$13.15	\$1.61	\$26.85	\$21.77	\$115.34
4	MAINE	WP 2.0, PG 1, LINES 2 THRU 7	\$34.40	\$56.91	\$23.03	\$14.47	\$35.34	\$30.95	\$195.09
5	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26D	0.098	0.098	0.098	0.098	0.098	0.098	0.098
6	BA-ME WEIGHTED COST	LINE 4 X LINE 5	\$3.37	\$5.58	\$2.26	\$1.42	\$3.46	\$3.03	\$19.12
7	NEW HAMPSHIRE	WP 3.0, PG 1, LINES 2 THRU 7	\$30.22	\$48.93	\$19.74	\$1.15	\$33.09	\$27.84	\$160.98
8	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26E	0.116	0.116	0.116	0.116	0.116	0.116	0.116
9	BA-NH WEIGHTED COST	LINE 7 X LINE 8	\$3.51	\$5.68	\$2.29	\$0.13	\$3.84	\$3.23	\$18.67
10	RHODE ISLAND	WP 4.0, PG 1, LINES 2 THRU 7	\$30.69	\$51.41	\$20.82	\$8.81	\$30.32	\$29.60	\$171.66
11	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26F	0.098	0.098	0.098	0.098	0.098	0.098	0.098
12	BA-RI WEIGHTED COST	LINE 10 X LINE 11	\$3.01	\$5.04	\$2.04	\$0.86	\$2.97	\$2.90	\$16.82
13	VERMONT	WP 5.0, PG 1, LINES 2 THRU 7	\$33.16	\$55.59	\$22.45	\$9.52	\$43.68	\$33.33	\$197.73
14	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26G	0.049	0.049	0.049	0.049	0.049	0.049	0.049
15	BA-VT WEIGHTED COST	LINE 13 X LINE 14	\$1.62	\$2.72	\$1.10	\$0.47	\$2.14	\$1.63	\$9.69

PHYSICAL COLLOCATION
Bell Atlantic - New England
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DC POWER - GREATER THAN 60 AMPS

<u>LINE NO.</u>	<u>ITEM</u>	<u>SOURCE</u>	<u>DEPRECIATION</u>	<u>COST OF CAPITAL</u>	<u>INCOME TAX</u>	<u>OTHER TAXES</u>	<u>MAINT.</u>	<u>ADMIN.</u>	<u>TOTAL</u>
1	MASSACHUSETTS	WP 1.1, PG 1, LINES 2 THRU 7	\$30.52	\$50.96	\$20.61	\$2.52	\$42.10	\$34.14	\$180.85
2	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26C	0.638	0.638	0.638	0.638	0.638	0.638	0.638
3	BA-MA WEIGHTED COST	LINE 1 X LINE 2	\$19.47	\$32.51	\$13.15	\$1.61	\$26.86	\$21.78	\$115.38
4	MAINE	WP 2.1, PG 1, LINES 2 THRU 7	\$34.59	\$57.22	\$23.15	\$14.55	\$35.53	\$31.11	\$114.96
5	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26D	0.098	0.098	0.098	0.098	0.098	0.098	0.098
6	BA-ME WEIGHTED COST	LINE 4 X LINE 5	\$3.39	\$5.61	\$2.27	\$1.43	\$3.48	\$3.05	\$19.22
7	NEW HAMPSHIRE	WP 3.1, PG 1, LINES 2 THRU 7	\$30.28	\$49.03	\$19.78	\$1.15	\$33.16	\$27.90	\$161.31
8	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26E	0.116	0.116	0.116	0.116	0.116	0.116	0.116
9	BA-NH WEIGHTED COST	LINE 7 X LINE 8	\$3.51	\$5.69	\$2.29	\$0.13	\$3.85	\$3.24	\$18.71
10	RHODE ISLAND	WP 4.1, PG 1, LINES 2 THRU 7	\$30.70	\$51.44	\$20.84	\$8.82	\$30.34	\$29.62	\$171.76
11	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26F	0.098	0.098	0.098	0.098	0.098	0.098	0.098
12	BA-RI WEIGHTED COST	LINE 10 X LINE 11	\$3.01	\$5.04	\$2.04	\$0.86	\$2.97	\$2.90	\$16.83
13	VERMONT	WP 5.1, PG 1, LINES 2 THRU 7	\$33.29	\$55.80	\$22.54	\$9.56	\$43.84	\$33.46	\$198.48
14	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26G	0.049	0.049	0.049	0.049	0.049	0.049	0.049
15	BA-VT WEIGHTED COST	LINE 13 X LINE 14	\$1.63	\$2.73	\$1.10	\$0.47	\$2.15	\$1.64	\$9.73

**PHYSICAL COLLOCATION
Bell Atlantic - Massachusetts
FCC - 11**

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 1.0, PG 3, LINE 46	-	-	\$236.26	\$236.26
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24C	-	-	2.8218	2.8218
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$666.67	\$666.67
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$666.67	\$666.67
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22C	0.0054	-	-	0.0054
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23C	-	0.1993	-	0.1993
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$3.60	-	-	\$3.60
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$132.87	-	\$132.87
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$3.60	\$132.87	\$666.67	\$803.14
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26C	\$2.30	\$84.77	\$425.34	\$512.40

PHYSICAL COLLOCATION
Bell Atlantic - Massachusetts
FCC - 11

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 1.0, PG 2 LINE 10	\$3.60	\$132.87	\$666.67	\$803.14
2 DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.37	\$27.13	\$30.51
3 COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.41	\$11.13	\$39.40	\$50.95
4 INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.17	\$4.50	\$15.93	\$20.60
5 OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.06	\$2.33	\$0.13	\$2.52
6 MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.13	\$4.62	\$37.33	\$42.08
7 ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.15</u>	<u>\$5.64</u>	<u>\$28.33</u>	<u>\$34.13</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.92	\$31.60	\$148.27	\$180.79
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26C	\$0.59	\$20.16	\$94.59	\$115.34

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PHYSICAL COLLOCATION
Bell Atlantic - Massachusetts
FCC NO. 11

DC POWER COST DEVELOPMENT - LESS THAN OR EQUAL TO 60 AMPS

LINE NO.	A ITEM	B SOURCE	C METRO	D URBAN	E SUBURBAN	F RURAL
	Microprocessor Plant (BUSS BAR)					
1	AMP	Engineering	5,000	2,600	2,600	1,200
2	Material	Engineering	\$22,500	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$4.50	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
5	Statewide Unit Investment Per AMP	\$5.50	\$0.32	\$2.68	\$2.23	\$0.28
	WP 1.0, PG 3, LINE 10					
	Rectifiers					
6	Quantity	Engineering	5	5	6	5
7	AMPS per unit	Engineering	400	200	200	200
8	Tot. AMPS	(L6 * L7)	2,000	1,000	1,200	1,000
9	Utilization	(L6-1) / L6	80.00%	80.00%	83.33%	80.00%
10	Material	Engineering	\$43,500	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$54,375	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$27.19	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
14	Statewide Unit Investment Per AMP	\$35.90	\$1.94	\$15.35	\$17.22	\$1.38
	Batteries					
15	Strings	Engineering	3	3	4	3
16	AMPS per String	Engineering	688	310	310	310
17	Tot. AMPS	(L15 * L16)	2,064	930	1,240	930
18	Total Investment	Engineering	\$98,500	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$47.72	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
21	Statewide Unit Investment Per AMP	\$43.42	\$3.41	\$17.83	\$20.58	\$1.60
	Automatic Breaker					
22	AMP per Breaker	Engineering	1,600	1,200	800	400
23	Total Investment	Engineering	\$50,000	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$31.25	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
26	Statewide Unit Investment Per AMP	\$38.83	\$2.23	\$13.65	\$21.11	\$1.84
	Power Distribution Service Cabinet					
27	Amps	Engineering	800	800	400	400
28	Material	Engineering	\$7,000	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$8.75	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
31	Statewide Unit Investment Per AMP	\$7.38	\$0.63	\$2.05	\$4.46	\$0.25
	Emergency engine/turbine (auto start)					
32	AMP Capacity	Engineering	1,505	1,216	868	278
33	Utilization	Engineering	70%	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	1,054	851	608	195
35	Emerg. Engine Invest.	Engineering	\$75,600	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$35,000	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$110,600	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$104.98	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
40	Statewide Unit Investment Per AMP	\$95.00	\$7.51	\$32.80	\$46.84	\$7.85
	Battery Distribution Fuse Bay					
41	AMP Capacity	Engineering	800	800	800	800
42	Material	Engineering	\$8,181	\$8,181	\$8,181	\$8,181
43	Unit Investment Per AMP	(L42 / L41)	\$10.23	\$10.23	\$10.23	\$10.23
44	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
45	Statewide Unit Investment Per AMP	\$10.23	\$0.73	\$4.19	\$4.93	\$0.38
46	Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)					
		\$236.26				

**PHYSICAL COLLOCATION
Bell Atlantic - Massachusetts
FCC - 11**

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 1.1, PG 3, LINE 46	-	-	\$236.33	\$236.33
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24C	-	-	2.8218	2.8218
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$666.88	\$666.88
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$666.88	\$666.88
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22C	0.0054	-	-	0.0054
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23C	-	0.1993	-	0.1993
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$3.60	-	-	\$3.60
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$132.91	-	\$132.91
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$3.60	\$132.91	\$666.88	\$803.39
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26C	\$2.30	\$84.80	\$425.47	\$512.56

**PHYSICAL COLLOCATION
Bell Atlantic - Massachusetts
FCC - 11**

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 1.1, PG 2 LINE 10	\$3.60	\$132.91	\$666.88	\$803.39
2 DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.38	\$27.14	\$30.52
3 COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.41	\$11.14	\$39.41	\$50.96
4 INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.17	\$4.51	\$15.94	\$20.61
5 OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.06	\$2.33	\$0.13	\$2.52
6 MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.13	\$4.63	\$37.35	\$42.10
7 ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.15</u>	<u>\$5.64</u>	<u>\$28.34</u>	<u>\$34.14</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.92	\$31.61	\$148.31	\$180.85
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26C	\$0.59	\$20.17	\$94.62	\$115.38

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PHYSICAL COLLOCATION
Bell Atlantic - Massachusetts
FCC NO. 11

DC POWER COST DEVELOPMENT - GREATER THAN 60 AMPS

LINE NO.	A ITEM	B SOURCE	C METRO	D URBAN	E SUBURBAN	F RURAL
	<u>Microprocessor Plant (BUSS BAR)</u>					
1	AMP	Engineering	5,000	2,600	2,600	1,200
2	Material	Engineering	\$22,500	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$4.50	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
5	Statewide Unit Investment Per AMP	\$5.50	\$0.32	\$2.68	\$2.23	\$0.28
	<u>Rectifiers</u>					
6	Quantity	Engineering	5	5	6	5
7	AMPS per unit	Engineering	400	200	200	200
8	Tot. AMPS	(L6 * L7)	2,000	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	80.00%	83.33%	80.00%
10	Material	Engineering	\$43,500	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$54,375	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$27.19	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
14	Statewide Unit Investment Per AMP	\$35.90	\$1.94	\$15.35	\$17.22	\$1.38
	<u>Batteries</u>					
15	Strings	Engineering	3	3	4	3
16	AMPS per String	Engineering	688	310	310	310
17	Tot. AMPS	(L15 * L16)	2,064	930	1,240	930
18	Total Investment	Engineering	\$98,500	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$47.72	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
21	Statewide Unit Investment Per AMP	\$43.42	\$3.41	\$17.83	\$20.58	\$1.60
	<u>Automatic Breaker</u>					
22	AMP per Breaker	Engineering	1,600	1,200	800	400
23	Total Investment	Engineering	\$50,000	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$31.25	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
26	Statewide Unit Investment Per AMP	\$38.83	\$2.23	\$13.65	\$21.11	\$1.84
	<u>Power Distribution Service Cabinet</u>					
27	Amps	Engineering	800	800	400	400
28	Material	Engineering	\$7,000	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$8.75	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
31	Statewide Unit Investment Per AMP	\$7.38	\$0.63	\$2.05	\$4.46	\$0.25
	<u>Emergency engine/turbine (auto start)</u>					
32	AMP Capacity	Engineering	1,505	1,216	868	278
33	Utilization	Engineering	70%	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	1,054	851	608	195
35	Emerg. Engine Invest.	Engineering	\$75,600	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$35,000	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$110,600	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$104.98	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
40	Statewide Unit Investment Per AMP	\$95.00	\$7.51	\$32.80	\$46.84	\$7.85
	<u>Power Plant Distribution Bay</u>					
41	AMP Capacity	Engineering	2,600	1,200	1,200	300
42	Material	Engineering	\$20,000	\$15,000	\$10,000	\$5,000
43	Unit Investment Per AMP	(L42 / L41)	\$7.69	\$12.50	\$8.33	\$16.67
44	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
45	Statewide Unit Investment Per AMP	\$10.30	\$0.55	\$5.12	\$4.02	\$0.61
46	Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)					
		\$236.33				

PHYSICAL COLLOCATION
Bell Atlantic - Maine
FCC - 11

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 2.0, PG 3, LINE 46	-	-	\$286.89	\$286.89
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24D	-	-	2.8218	2.8218
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$809.54	\$809.54
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$809.54	\$809.54
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22D	0.0022	-	-	0.0022
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23D	-	0.1244	-	0.1244
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$1.78	-	-	\$1.78
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$100.71	-	\$100.71
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$1.78	\$100.71	\$809.54	\$912.03
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26D	\$0.17	\$9.87	\$79.33	\$89.38

PHYSICAL COLLOCATION
Bell Atlantic - Maine
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DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 2.0, PG 2 LINE 10	\$1.78	\$100.71	\$809.54	\$912.03
2 DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.59	\$31.81	\$34.40
3 COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.20	\$8.30	\$48.41	\$56.91
4 INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.08	\$3.35	\$19.59	\$23.03
5 OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.03	\$1.57	\$12.87	\$14.47
6 MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.15	\$8.55	\$26.63	\$35.34
7 ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.06</u>	<u>\$3.36</u>	<u>\$27.52</u>	<u>\$30.95</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.52	\$27.72	\$166.85	\$195.09
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26D	\$0.05	\$2.72	\$16.35	\$19.12

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PHYSICAL COLLOCATION
Bell Atlantic - Maine
FCC NO. 11

DC POWER COST DEVELOPMENT - LESS THAN OR EQUAL TO 60 AMPS

LINE NO.	A ITEM	B SOURCE	C URBAN	D SUBURBAN	E RURAL
	<u>Microprocessor Plant (BUSS BAR)</u>				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0918	0.5408	0.3673
5	Statewide Unit Investment Per AMP		\$5.85	\$2.50	\$2.75
	<u>Rectifiers</u>				
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot. AMPS	(L6 * L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6	80.00%	83.33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0918	0.5408	0.3673
14	Statewide Unit Investment Per AMP		\$36.52	\$19.31	\$13.77
	<u>Batteries</u>				
15	Strings	Engineering	3	4	3
16	AMPS per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0918	0.5408	0.3673
21	Statewide Unit Investment Per AMP		\$43.06	\$23.07	\$16.00
	<u>Automatic Breaker</u>				
22	AMP per Breaker	Engineering	1,200	800	400
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0918	0.5408	0.3673
26	Statewide Unit Investment Per AMP		\$45.09	\$23.66	\$18.37
	<u>Power Distribution Service Cabinet</u>				
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0918	0.5408	0.3673
31	Statewide Unit Investment Per AMP		\$7.94	\$5.00	\$2.48
	<u>Emergency engine/turbine (auto start)</u>				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35	Emerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0918	0.5408	0.3673
40	Statewide Unit Investment Per AMP		\$138.20	\$52.51	\$78.33
	<u>Battery Distribution Fuse Bay</u>				
41	AMP Capacity	Engineering	800	800	800
42	Material	Engineering	\$8,181	\$8,181	\$8,181
43	Unit Investment Per AMP	(L42 / L41)	\$10.23	\$10.23	\$10.23
44	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0918	0.5408	0.3673
45	Statewide Unit Investment Per AMP		\$10.23	\$5.53	\$3.76
46	Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)				
			\$286.89		

PHYSICAL COLLOCATION
Bell Atlantic - Maine
FCC - 11

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 2.0, PG 3, LINE 46	-	-	\$288.44	\$288.44
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24D	-	-	2.8218	2.8218
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$813.91	\$813.91
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$813.91	\$813.91
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22D	0.0022	-	-	0.0022
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23D	-	0.1244	-	0.1244
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$1.79	-	-	\$1.79
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$101.25	-	\$101.25
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$1.79	\$101.25	\$813.91	\$916.96
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26D	\$0.18	\$9.92	\$79.76	\$89.86

PHYSICAL COLLOCATION
Bell Atlantic - Maine
FCC - 11

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 2.0, PG 2 LINE 10	\$1.79	\$101.25	\$813.91	\$916.96
2 DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.60	\$31.99	\$34.59
3 COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.20	\$8.34	\$48.67	\$57.22
4 INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.08	\$3.37	\$19.70	\$23.15
5 OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.03	\$1.58	\$12.94	\$14.55
6 MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.15	\$8.60	\$26.78	\$35.53
7 ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.06</u>	<u>\$3.38</u>	<u>\$27.67</u>	<u>\$31.11</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.52	\$27.87	\$167.75	\$196.15
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26D	\$0.05	\$2.73	\$16.44	\$19.22

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PHYSICAL COLLOCATION
Bell Atlantic - Maine
FCC NO. 11

DC POWER - GREATER THAN 60 AMPS

LINE NO.	A ITEM	B SOURCE	C URBAN	D SUBURBAN	E RURAL
Microprocessor Plant (BUSS BAR)					
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0918	0.5408	0.3673
5	Statewide Unit Investment Per AMP	\$5.85	\$0.60	\$2.50	\$2.75
Rectifiers					
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot. AMPS	(L6 * L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	83.33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0918	0.5408	0.3673
14	Statewide Unit Investment Per AMP	\$36.52	\$3.44	\$19.31	\$13.77
Batteries					
15	Strings	Engineering	3	4	3
16	AMPS per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0918	0.5408	0.3673
21	Statewide Unit Investment Per AMP	\$43.06	\$4.00	\$23.07	\$16.00
Automatic Breaker					
22	AMP per Breaker	Engineering	1,200	800	400
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0918	0.5408	0.3673
26	Statewide Unit Investment Per AMP	\$45.09	\$3.06	\$23.66	\$18.37
Power Distribution Service Cabinet					
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0918	0.5408	0.3673
31	Statewide Unit Investment Per AMP	\$7.94	\$0.46	\$5.00	\$2.48
Emergency engine/turbine (auto start)					
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35	Emerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0918	0.5408	0.3673
40	Statewide Unit Investment Per AMP	\$138.20	\$7.36	\$52.51	\$78.33
Power Plant Distribution Bay					
41	AMP Capacity	Engineering	1,200	1,200	300
42	Material	Engineering	\$15,000	\$10,000	\$5,000
43	Unit Investment Per AMP	(L42 / L41)	\$12.50	\$8.33	\$16.67
44	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0918	0.5408	0.3673
45	Statewide Unit Investment Per AMP	\$11.78	\$1.15	\$4.51	\$6.12
46	Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)		\$288.44		

**PHYSICAL COLLOCATION
Bell Atlantic - New Hampshire
FCC - 11**

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 3.1, PG 3, LINE 46	-	-	\$259.04	\$259.04
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24E	-	-	2.8218	2.8218
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$730.95	\$730.95
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$730.95	\$730.95
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22E	0.0022	-	-	0.0022
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23E	-	0.0873	-	0.0873
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$1.61	-	-	\$1.61
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$63.81	-	\$63.81
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$1.61	\$63.81	\$730.95	\$796.37
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26E	\$0.19	\$7.40	\$84.79	\$92.38

PHYSICAL COLLOCATION
Bell Atlantic - New Hampshire
FCC - 11

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 3.0, PG 2 LINE 10	\$1.61	\$63.81	\$730.95	\$796.37
2 DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$1.64	\$28.58	\$30.22
3 COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.18	\$5.26	\$43.49	\$48.93
4 INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.07	\$2.12	\$17.54	\$19.74
5 OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.03	\$1.05	\$0.07	\$1.15
6 MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.10	\$3.98	\$29.02	\$33.09
7 ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.06</u>	<u>\$2.20</u>	<u>\$25.58</u>	<u>\$27.84</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.44	\$16.25	\$144.29	\$160.98
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26E	\$0.05	\$1.89	\$16.74	\$18.67

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Bell Atlantic - New Hampshire
FCC NO. 11

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

LINE NO.	A ITEM	B SOURCE	C URBAN	D SUBURBAN	E RURAL
	Microprocessor Plant (BUSS BAR)				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2322	0.5924	0.1754
5	Statewide Unit Investment Per AMP		\$5.57	\$2.73	\$1.32
	Rectifiers				
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot. AMPS	(L6 * L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	83.33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2322	0.5924	0.1754
14	Statewide Unit Investment Per AMP		\$36.43	\$21.15	\$6.58
	Batteries				
15	Strings	Engineering	3	4	3
16	AMPS per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2322	0.5924	0.1754
21	Statewide Unit Investment Per AMP		\$43.02	\$25.27	\$7.64
	Automatic Breaker				
22	AMP per Breaker	Engineering	1,200	800	400
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2322	0.5924	0.1754
26	Statewide Unit Investment Per AMP		\$42.43	\$25.92	\$8.77
	Power Distribution Service Cabinet				
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2322	0.5924	0.1754
31	Statewide Unit Investment Per AMP		\$7.82	\$5.48	\$1.18
	Emergency engine/turbine (auto start)				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35	Emerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2322	0.5924	0.1754
40	Statewide Unit Investment Per AMP		\$113.53	\$57.52	\$37.41
	Battery Distribution Fuse Bay				
41	AMP Capacity	Engineering	800	800	800
42	Material	Engineering	\$8,181	\$8,181	\$8,181
43	Unit Investment Per AMP	(L42 / L41)	\$10.23	\$10.23	\$10.23
44	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2322	0.5924	0.1754
45	Statewide Unit Investment Per AMP		\$10.23	\$6.06	\$1.79
	Total Unit Investment - (Less than or				
46	Equal to 60 AMP's) - Sum Lines		\$259.04		
	(5C+14C+21C+26C+31C+40C+45C)				

PHYSICAL COLLOCATION
Bell Atlantic - New Hampshire
FCC - 11

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 3.0, PG 3, LINE 46	-	-	\$259.57	\$259.57
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24E	-	-	2.8218	2.8218
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$732.46	\$732.46
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$732.46	\$732.46
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22E	0.0022	-	-	0.0022
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23E	-	0.0873	-	0.0873
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$1.61	-	-	\$1.61
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$63.94	-	\$63.94
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$1.61	\$63.94	\$732.46	\$798.02
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26E	\$0.19	\$7.42	\$84.97	\$92.57

PHYSICAL COLLOCATION
Bell Atlantic - New Hampshire
FCC - 11

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 3.0, PG 2 LINE 10	\$1.61	\$63.94	\$732.46	\$798.02
2 DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$1.64	\$28.64	\$30.28
3 COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.18	\$5.27	\$43.58	\$49.03
4 INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.07	\$2.13	\$17.58	\$19.78
5 OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.03	\$1.06	\$0.07	\$1.15
6 MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.10	\$3.98	\$29.08	\$33.16
7 ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.06</u>	<u>\$2.21</u>	<u>\$25.64</u>	<u>\$27.90</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.44	\$16.29	\$144.59	\$161.31
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26E	\$0.05	\$1.89	\$16.77	\$18.71

NH
WORKPAPER 3.1
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PHYSICAL COLLOCATION
Bell Atlantic - New Hampshire
FCC NO. 11

DC POWER - GREATER THAN 60 AMPS

LINE NO.	A ITEM	B SOURCE	C URBAN	D SUBURBAN	E RURAL
	<u>Microprocessor Plant (BUSS BAR)</u>				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2322	0.5924	0.1754
5	Statewide Unit Investment Per AMP		\$5.57	\$2.73	\$1.32
	<u>Rectifiers</u>				
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot. AMPS	(L6 * L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	83.33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2322	0.5924	0.1754
14	Statewide Unit Investment Per AMP		\$36.43	\$21.15	\$6.58
	<u>Batteries</u>				
15	Strings	Engineering	3	4	3
16	AMPs per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2322	0.5924	0.1754
21	Statewide Unit Investment Per AMP		\$43.02	\$25.27	\$7.64
	<u>Automatic Breaker</u>				
22	AMP per Breaker	Engineering	1,200	800	400
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2322	0.5924	0.1754
26	Statewide Unit Investment Per AMP		\$42.43	\$25.92	\$8.77
	<u>Power Distribution Service Cabinet</u>				
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2322	0.5924	0.1754
31	Statewide Unit Investment Per AMP		\$7.82	\$5.48	\$1.18
	<u>Emergency engine/turbine (auto start)</u>				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
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37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2322	0.5924	0.1754
40	Statewide Unit Investment Per AMP		\$113.53	\$57.52	\$37.41
	<u>Power Plant Distribution Bay</u>				
41	AMP Capacity	Engineering	1,200	1,200	300
42	Material	Engineering	\$15,000	\$10,000	\$5,000
43	Unit Investment Per AMP	(L42 / L41)	\$12.50	\$8.33	\$16.67
44	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.2322	0.5924	0.1754
45	Statewide Unit Investment Per AMP		\$10.76	\$4.94	\$2.92
46	Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)				
			\$259.57		